

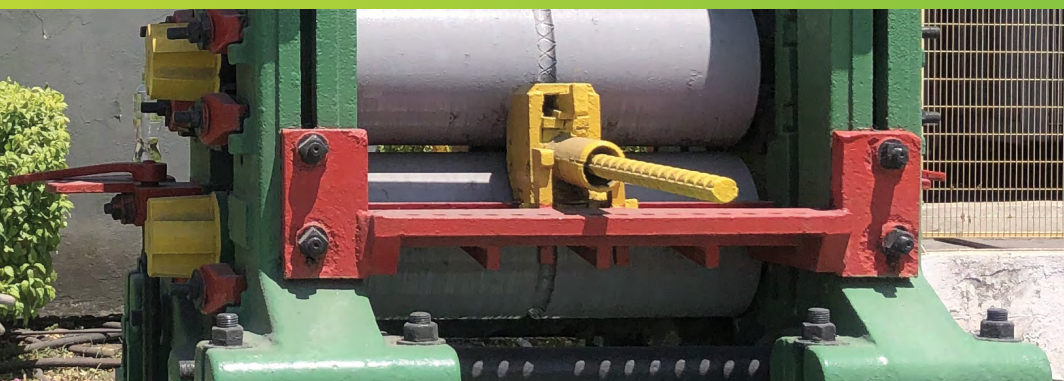
Association for  
Iron & Steel Technology



Foundation



Information





# Our Mission

To ensure the iron and steel industry of tomorrow will have a sufficient number of qualified professionals.

The AIST Foundation awards more than US\$1,000,000 annually to develop the steel industry's next generation.

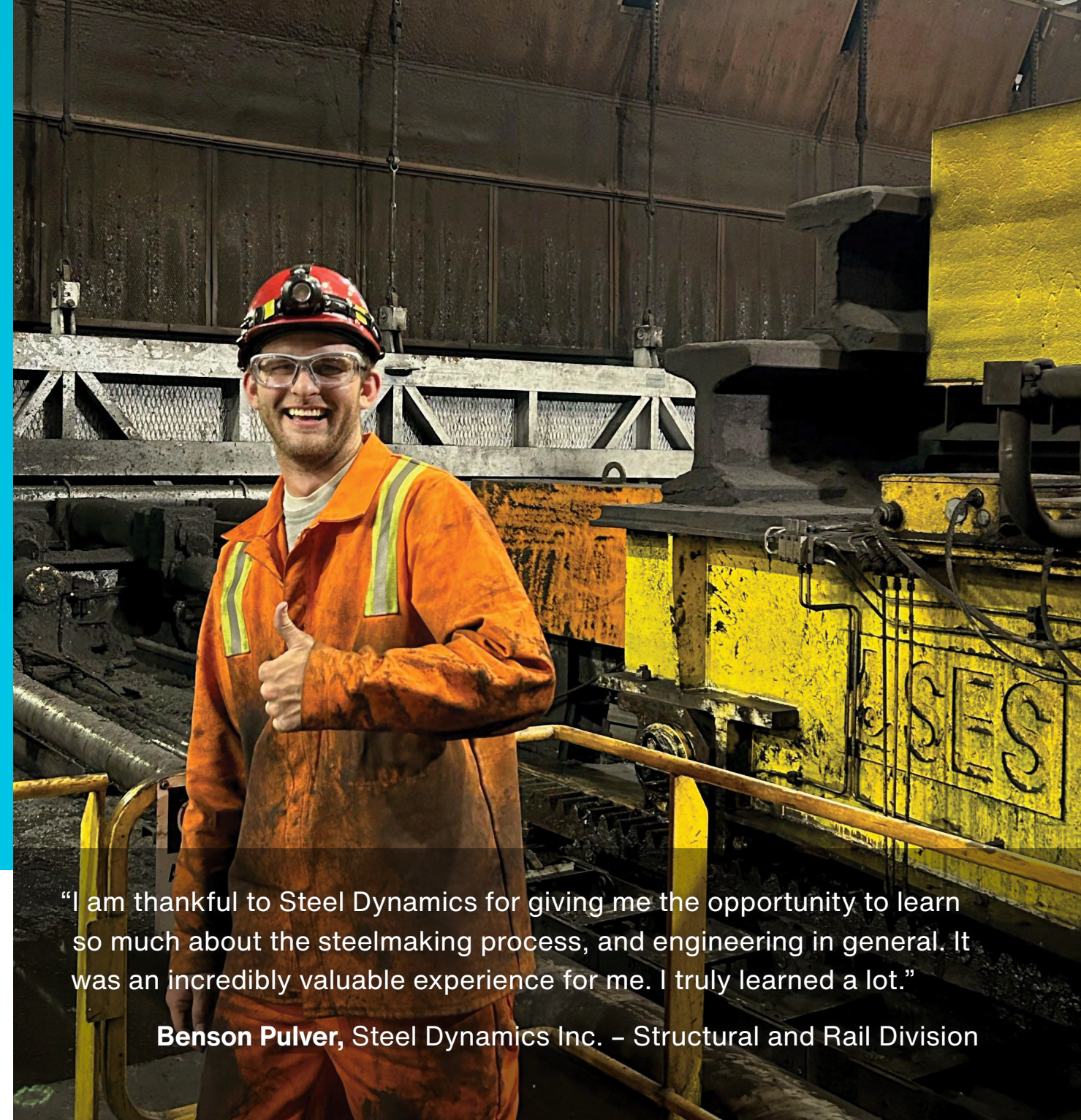




# Overview



The steel industry's workforce is retiring at an alarming rate. To sustain a pipeline of qualified engineers and scientists to fill this void, the AIST Foundation is working with the industry to attract young, technology-oriented professionals to its ranks.



"I am thankful to Steel Dynamics for giving me the opportunity to learn so much about the steelmaking process, and engineering in general. It was an incredibly valuable experience for me. I truly learned a lot."

**Benson Pulver**, Steel Dynamics Inc. – Structural and Rail Division

With strong industry support and philanthropy, the Foundation funds initiatives to promote the steel industry as a viable and rewarding career choice for young engineers. These initiatives include scholarships, internships, training programs, events and contests for students; and faculty grants, awards and programs for professors.





“This internship has allowed me to gain a better understanding of steelmaking and mill operations, expand my skills in the field of metallurgical engineering, and explore opportunities in the steel industry. My time at SSAB was an incredibly valuable experience.”

**Nathan Woodward, SSAB Americas**



### What Is the **AIST Foundation**?

The AIST Foundation is a Pennsylvania-based 501(c)(3) non-profit corporation organized for charitable, education and scientific purposes. The Foundation works closely with the Association for Iron & Steel Technology (AIST).



### What Does the **Foundation Do**?

Foundation programs attract technology-oriented professionals to the steel industry by educating the public about the high-tech, diverse and rewarding nature of careers in steel manufacturing.



### How Is the **Foundation Funded**?

All Foundation programs rely on corporate and individual gifts, association support, and financial revenue from its endowment. All donations are tax-deductible where permitted by law.



### Who Manages the **Foundation**?

The activities, properties and affairs are managed by a Board of Trustees consisting of 14 AIST members appointed by the AIST Board of Directors.





# Steel Promises

## Challenges and Career Growth

The AIST Foundation works to improve the perception of the steel industry by making students, professors and the general public aware that today's steel industry is technologically advanced, environmentally aware and safety conscious.

By supporting the education of our next generation, we are building a long-term workforce that is well-trained, skilled and dedicated to the needs of tomorrow's steel industry.



# Get Rolling



AIST Foundation scholarships are awarded on an annual basis to talented and dedicated students to encourage them to pursue careers within iron- and steel-related industries.

Visit [AIST.org/internships](https://aist.org/internships) to apply.



## Steel Intern Scholarships

Up to 50 one-year US\$7,500 scholarships, including a paid internship.



## Premier Intern Scholarship

The top-scoring applicant will be awarded a one-year US\$12,000 scholarship, including a paid internship.



## Don B. Daily Safety Steel Intern Scholarship

Up to two one-year US\$7,500 scholarships, including a paid internship.



# Student Programs



## Steel to Students Training Program

The Steel to Students Training Program provides financial assistance for postsecondary vocational/technical school students, undergraduate and graduate-level students, and professors to attend AIST's Technology Training events and AIST Member Chapter annual meetings.

The program provides students with increased opportunities to learn firsthand from steel industry leaders.



## Student Events

Each year at major industry events such as AISTech and MS&T (Materials Science & Technology), the AIST Foundation sponsors programming to provide students a window into career opportunities in the steel industry.



## Student Contests

The Undergraduate Student Project Presentation and Graduate Student Poster contests offer university students the opportunity to present their research to conference attendees.

The Real Steel Video Contest engages high school and university students in researching and promoting the industry.



## Plant Tours

A student plant tour is offered at a location near AISTech and MS&T. In addition, the AIST Foundation provides up to US\$1,500 in travel reimbursement to groups interested in touring a nearby steel plant.



## Member Chapter Scholarships

AIST's 22 Member Chapters administer more than US\$160,000 in annual scholarships for qualified individuals within their regions. There are over 60 scholarships available.

Visit [AIST.org/MemberChapters](http://AIST.org/MemberChapters) for a list of available scholarships in your region.

## Endowment Scholarships

Students attending the following schools may apply at their institution directly for the AIST scholarships listed below.

### ▪ AIST Farrington Memorial Scholarship

Awarded by the Rose-Hulman Institute of Technology.

### ▪ AIST Madsen Scholarship

Awarded by the Massachusetts Institute of Technology (MIT).

### ▪ AIST Morrow Scholarship

Awarded by the University of Pennsylvania.

### ▪ Lewis E. and Elizabeth W. Young Scholarship (AIME)

Applies to students in the Western Pennsylvania, Virginia or West Virginia areas.





# Driving

# Innovation

The AIST Foundation's faculty grants and programs are designed to promote industry awareness and increase the number of engineering faculty with a vested interest in the iron and steel industry, as well as expand the number of engineering students interested in pursuing a career in the iron and steel industry.

The programs include grants for individual professors and team activities on both broad industry topics and specific concerns, direct collaboration with steel industry companies, and discounts to boost university involvement at AIST events.



# Faculty Grants and Programs



“Throughout my time at Vulcraft Indiana, I had the opportunity to immerse myself in understanding the product, which was a great experience in itself. As my internship concluded, I had no doubt in my mind that I wanted to pursue a career in the steel industry.”

**Jack Doll, Nucor-Vulcraft**

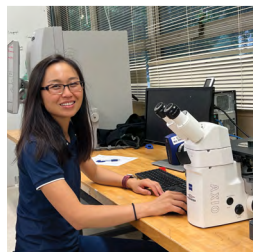
## Steel Curriculum Development Grant

The objective is to utilize undergraduate and graduate students to assist in enhancing industry curriculum, with an underlying objective to increase industry awareness within the academic community. Selected university professors are awarded up to US\$25,000 over three years.



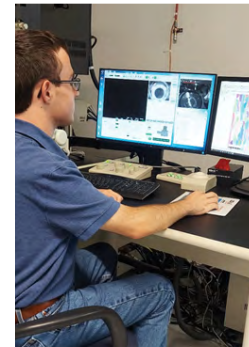
## Kent D. Peaslee Junior Faculty Award

Open to all technical engineering disciplines, this award will assist junior faculty in building their research and professional service activities toward obtaining tenure. The award will provide up to US\$150,000 over three years.



## AIST Foundation Steel Professor

The moniker is open to professors who have successfully completed three years of the Kent D. Peaslee Junior Faculty Award. The purpose of this award is to maintain a formal link to our past recipients and their universities, and to encourage their continued engagement with the steel industry.



**New!**

## Sustainable Technologies for Steel Manufacturing Grant

This grant was established in 2022 to challenge university teams from engineering, scientific and mathematical departments at North American universities to submit proposals for grant funding in the theme area of sustainable technologies for steel manufacturing including decarbonization, CO<sub>2</sub> reduction and carbon capture, utilization and storage (CCUS), among other related technologies. Maximum grant award is US\$30,000 for one year.

## Digital Technologies for Steel Manufacturing Grant

This grant was established to challenge North American university teams from engineering, scientific and mathematical departments to submit proposals for grant funding in the theme area of a digital technology within the steel industry. Areas of interest include machine learning, computational science, simulation, augmented reality, additive manufacturing and autonomous robotics, among other related technologies. Maximum grant award is US\$30,000 for one year.



## Don B. Daily Safety Grant

The objective is to promote a safe workplace for the steel manufacturing industry, to increase the number of students who study health and safety awareness relative to the manufacturing environment, and to recruit more students for employment in the steel industry. One university will be awarded US\$20,000 annually.

## Academic Faculty Engagement Program

The AIST Foundation provides discounts on AISTech academic registration and university pavilions to increase university faculty participation.



## University-Industry Relations Roundtable (UIRR)

The purpose of the UIRR is to foster communication between the Foundation's university network and the steel industry. The objective is to increase the number of professors teaching a steel-related curriculum, and to increase the number of students interested in a career in the steel industry.



# We Need Your Help!



The AIST Foundation continues to advance new and exciting programs to enable the steel industry to meet the challenges of the future. Through strong industry support, the AIST Foundation awards in excess of US\$1,000,000 each year in support of its mission to ensure the iron and steel industry of tomorrow will have a sufficient number of qualified professionals.

**Please consider making a donation today by visiting [AISTFoundation.org](http://AISTFoundation.org) or contacting us at +1.724.814.3000, ext. 1.**

## US\$200,000+ Pledge Club



## US\$100,000+ Pledge Club







“I developed new skills as an engineer and the skills I already had improved drastically. While working on the plant floor to solve a project, I was able to understand and identify the galvanizing process, especially the zinc post and gas wiping system.”

**Jorge Tapia-Juarez, Ternium Mexico**



**AIST.org**



**memberservices@aist.org**